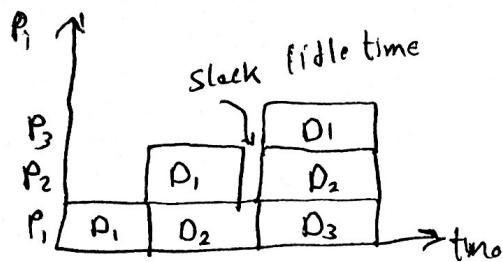
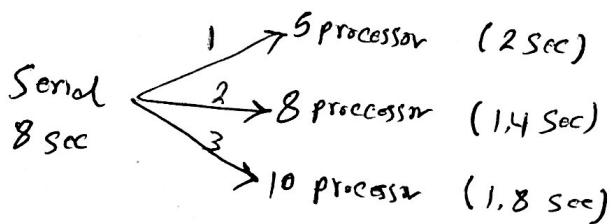


Slide
17Pipeline in time Line

Tightly Coupled \rightarrow HW \rightarrow multi processor
 \rightarrow ~~soft~~ Function

Loosely Coupled \rightarrow HW -
 \rightarrow ~~soft~~ function

Speed up and Efficiency

$$① S = \frac{8}{2} = 4, E = \frac{4}{5} = 0.8$$

$$② S = \frac{8}{1.4} = 4.2, E = \frac{4.2}{8} = 0.51$$

$$③ S = \frac{8}{1.8} = 4.3, E = \frac{4.3}{10} = 0.43$$